Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/20/2017 10:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124453	-1	1.71	124323	1.68
Blue	F	SSC	125000	122779	-2	3.38	123003	3.18
Blue	E	FITC	23795	23113	-3	2.81	1033	10.66
Blue	D	PE	29673	29000	-3	2.41	1041	10.20
Blue	B	PerCP-Cy5-5	48943	47910	-3	3.78	1376	17.87
Blue	A	PE-Cy7	44112	43716	-1	5.53	679	36.78
Red	C	APC	54273	53791	-1	2.70	3100	9.46
Red	A	APC-Cy7	54945	54513	-1	2.77	1143	11.38
Violet	B	V450	15756	15208	-4	4.19	723	9.47
Violet	A	V500	62569	60868	-3	4.00	2695	6.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18725	3.37	612	-2	N/A	N/A	Pass
Blue	F	SSC	60545	1.88	548	2	N/A	N/A	Pass
Blue	E	FITC	112	40.12	549	-1	0.0192	135	Pass
Blue	D	PE	226	30.35	547	1	0.1520	257	Pass
Blue	B	PerCP-Cy5-5	213	47.89	638	-1	0.0090	103	Pass
Blue	A	PE-Cy7	71	129.04	695	-4	0.0111	21	Pass
Red	C	APC	362	27.74	599	-1	0.0202	69	Pass
Red	A	APC-Cy7	124	40.56	576	-8	0.0052	1329	Pass
Violet	B	V450	88	43.61	474	2	0.0412	1841	Pass
Violet	A	V500	196	25.04	502	3	0.0143	966	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.04	0.87
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	17.20	13.27 - 19.91	N/A	N/A	30.96	31.53	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13644

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments